INFORMATION DISCLOSURE STATEMENT

(37 C.F.R. 1.56, 1.97, and 1.98)

SHEET 1 OF 5

ATTORNEY DOCKET	APPLICATION NO.
24011-0002	09/173,864

APPLICANT(S): Ivarie et al.

FILING DATE	GROUP
October 16, 1998	1632

U.S. PATENT DOCUMENTS

† EX'R INITIAL	* REF. #	PATENT NUMBER	DATE (MO/YR)	NAME	U.S. CLASS/ SUBCLASS	FILING DATE (If appropriate)
SK	1	4,959,317	09/90	Sauer	435/172.3	
SK	2	4,997,763	03/91	Hughes et al.	435/172.3	
SK	3	5,162,215	11/92	Bosselman et al.	435/172.3	
SK	4	5,304,489	04/94	Rosen	435/320.1	
SK	5	5,378,618	01/95	Sternberg et al.	435/172.3	
SK	6	5,464,764	11/95	Capecchi et al.	435/172.3	
SK	7	5,487,992	01/96	Capecchi et al.	435/172.3	
SK	8	5,677,177	10/97	Wahl et al.	435/325	
SK	9	5,741,957	04/98	Deboer et al.	800/2	

FOREIGN PATENT DOCUMENTS

† EX'R INITIAL	* REF. #	PATENT NUMBER	DATE (MO/YR)	COUNTRY	TRANSLATION (YES/NO)
SK	10	WO 90/11355	10/90	PCT	NO
SK	11	0 424 027 A1	04/91	EPO	NO
SK	12	0 424 044 A1	04/91	EPO	NO
SK	13	WO 94/20608	09/94	PCT	NO
SK	14	WO 97/47739	12/97	PCT	NO
SK	15	WO 98/01027	01/98	PCT	NO

OTHER DOCUMENTS

† EX'R INITIAL	* REF. #	CITATION (Author, Article Title, Journal/Book Title, Date, Pertinent Pages, etc.)
SK	16	Allioli et al., "Use of retroviral vectors to introduce and express the β-galactosidase marker gene in cultured chicken primordial germ cells," *Developmental Biology,* 165:30-37 (1994).
SK	17	Archer et al., "Human growth hormone (hGH) secretion in milk of goats after direct transfer of the hGH gene into the mammary gland by using replication-defective retrovirus vectors," *Proc. Natl. Acad. Sci. USA*, 91:6840-6844 (1994).

EXAMINER'S SIGNATURE	DATE CONSIDERED
	5/13/99

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OTHER DOCUMENTS

† EX'R INITIAL	* REF. #	CITATION (Author, Article Title, Journal/Book Title, Date, Pertinent Pages, etc.)
	18	Bayley et al., "Exchange of gene activity in transgenic plants catalyzed by the Cre-lox site-specific recombination system," *Plant Molecular Biology*, 18:353-361 (1992).
	19	Beato, M., "Gene regulation by steroid hormones," *Cell*, 56:335-344 (1989).
	20	Bonifer et al., "Tissue specific and position independent expression of the complete gene domain for chicken lysozyme in transgenic mice," *The EMBO Journal*, 9:2843-2848 (1990).
	21	Bosselman et al., "Germline transmission of exogenous genes in the chicken," *Science*, 243:533-535 (1989).
	22	Brazolot et al., "Efficient transfection of chicken cells by lipofection, and introduction of transfected blastodermal cells into the embryo," *Molecular Reproduction and Development*, 30:304-312 (1991).
	23	Briskin et al., "Heritable retroviral transgenes are highly expressed in chickens," *Proc. Natl. Acad. Sci. USA*, 88:1736-1740 (1991).
	24	Brown et al., "Conformational alterations in the proximal portion of the yeast invertase signal peptide do not block secretion," *Mol. Gen. Genet.*, 197:351-357 (1984).
	25	Burns et al., "Vesicular stomatitis virus G glycoprotein pseudotyped retroviral vectors: concentration to very high titer and efficient gene transfer into mammalian and nonmammalian cells," *Proc. Natl. Acad. Sci. USA*, 90:8033-8037 (1993).
	26	Chung et al., "A 5' element of the chicken β-globin domain serves as an insulator in human erythroid cells and protects against position effect in drosophila," *Cell*, 74:505-514 (1993).
	27	Cosset et al., "Improvement of avian leukosis virus (ALV)-based retrovirus vectors by using different *cis*-acting sequences from ALVs," *Journal of Virology*, 65:3388-3394 (1991).
	28	Cosset et al., "Use of helper cells with two host ranges to generate high-titer retroviral vectors," *Virology*, 193:385-395 (1993).
	29	Dean et al., "Regulation of th chicken ovalbumin gene by estrogen and corticosterone requires a novel DNA element that binds a labile protein, chirp-I," *Molecular and Cellular Biology*, 16:2015-2024 (1996).
	30	Dierich et al., "Cell-specificity of the chicken ovalbumin and conalbumin promoters," *The EMBO Journal*, 6:2305-2312 (1987).

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INFORMATION DISCLOSURE STATEMENT

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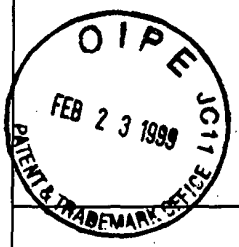

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APPLICANT(S) Ivarie et al.	
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OTHER DOCUMENTS

† EX'R INITIAL	* REF. #	CITATION (Author, Article Title, Journal/Book Title, Date, Pertinent Pages, etc.)
SL	31	Dugaiczyk et al., "The ovalbumin gene: cloning and molecular organization of the entire natural gene," *Proc. Natl. Acad. Sci. USA*, 76:2253-2257 (1979).
SL	32	Etches et al., "Contributions to somatic and germline lineages of chicken blastodermal cells maintained in culture," *Molecular Reproduction and Development*, 45:291-298 (1996).
SL	33	Fisher et al., "Expression of exogenous protein and analysis of morphogenesis in the developing chicken heart using an adenoviral vector," *Cardiovascular Research*, 31:E86-E95 (1996).
SL	34	Gannon et al., "Organisation and sequences at the 5′ end of a cloned complete ovalbumin gene," *Nature*, 278:428-434 (1979).
SL	35	Gu et al., "Deletion of a DNA polymerase β gene segment in T cells using cell type-specific gene targeting," *Science*, 265:103-106 (1994).
SL	36	Haecker et al., "Repression of the ovalbumin gene involves multiple negative elements including a ubiquitous transcriptional silencer," *Molecular Endocrinology*, 9:1113-1126 (1995).
SL	37	Johnson et al., "pXeX, a vector for efficient expression of cloned sequences in *Xenopus* embryos," *Gene*, 147:223-226 (1994).
SL	38	Kato et al., "A far upstream estrogen response element of the ovalbumin gene contains several half-palindromic 5′-TGACC-3′ motifs acting synergistically," *Cell*, 68:731-742 (1992).
SL	39	Kaye et al., "A close association between sites of Dnase I hypersensitivity and sites of enhanced cleavage by micrococcal nuclease in the 5′-flanking region of the actively transcribed ovalbumin gene," *The EMBO Journal*, 3:1137-1144 (1984).
SL	40	Lai et al., "The ovalbumin gene: structural sequences in native chicken DNA are not contiguous," *Proc. Natl. Acad. Sci. USA*, 75:2205-2209 (1978).
SL	41	Lin et al., "Integration and germ-line transmission of a pseudotyped retroviral vector in zebrafish," *Science*, 265:666-669 (1994).
SL	42	Lobe et al., "Conditional genome alteration in mice," *BioEssays*, 20:200-208 (1998).
SL	43	Logie et al., "Ligand-regulated site-specific recombination," *Proc. Natl. Acad. Sci. USA*, 92:5940-5944 (1995).
SL	44	Lou et al., "Adenovirus-mediated gene transfer into tendon and tendon sheath," *Journal of Orthopaedic Research*, 14:513-517 (1996).

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[signature]	5/13/99

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OTHER DOCUMENTS

† EX'R INITIAL	* REF. #	CITATION (Author, Article Title, Journal/Book Title, Date, Pertinent Pages, etc.)
SL	45	Love et al., "Transgenic birds by DNA microinjection," *Bio/Technology*, 12:60-63 (1994).
SL	46	Moore et al., "The development of β-lactamase as a highly versatile genetic reporter for eukaryotic cells," *Analytical Biochemistry*, 247:203-209 (1997).
SL	47	Mountford et al., "Dicistronic targeting constructs: reporters and modifiers of mammalian gene expression," *Proc. Natl. Acad. Sci. USA*, 91:4303-4307 (1994).
SL	48	Nordstrom et al., "A complex array of double-stranded and single-stranded DNA-binding proteins mediates induction of the ovalbumin gene by steroid hormones," *The Journal of Biological Chemistry*, 268:13193-13202 (1993).
SL	49	Ochiai et al., "Synthesis of human erythropoietin *in vivo* in the oviduct of laying hens by localized *in vivo* gene transfer using electroporation," *Poultry Science*, 77:299-302 (1998).
SL	50	Odell et al., "Seed-specific gene activation mediated by the cre/lox site-specific recombination system," Plant Physiol., 106:447-458 (1994).
SL	51	Otten et al., "The MMTV LTR promoter is induced by progesterone and dihydrostestosterone but not by estrogen," *Molecular Endrocrinology*, 2:143-147 (1988).
SL	52	Palmiter, R.D., "Quantitation of parameters that determine the rate of ovalbumin synthesis," *Cell*, 4:189-197 (1975).
SL	53	Palmiter, R.D., "Rate of ovalbumin messenger ribonucleic acid synthesis in the oviduct of estrogen-primed chicks," *The Journal of Biological Chemistry*, 248:8260-8270 (1973).
SL	54	Park et al., "Modulation of transcriptional activity of the chicken ovalbumin gene promoter in primary cultures of chicken oviduct cells: effects of putative regulatory elements in the 5'-flanking region," *Biochemistry and Molecular Biology International*, 36:811-816 (19950.
SL	55	Roop et al., "Definition of the 5' and 3' ends of transcripts of the ovalbumin gene," 19:63-68 (1980).
SL	56	Royal et al., "The ovalbumin gene region: common features in the organisation of three genes expressed in chicken oviduct under hormonal control," *Nature*, 279:324-331 (1997).
SL	57	Rucker et al., "Cre-mediated recombination at the murine whey acidic protein (mWAP) locus," *Molecular Reproduction and Development*, 48:324-331 (1997).

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Samuel Woo	5/13/99

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SL	58	Sanders et al., "Positive and negative regulatory elements control the steroid-responsive ovalbumin promoter," *Biochemistry*, 27:6550-6557 (1988).
SL	59	Sauer, B., "Manipulation of transgenes by site-specific recombination: use of cre recombinase," *Methods in Enzymology*, 225:890-900 (1993).
SL	60	Schweers et al., "A protein with a binding specificity similar to NF-$_K$B binds to a steroid-dependent regulatory element in the ovalbumin gene," *The Journal of Biological Chemistry*, 266:10490-10497 (1991).
SL	61	Thoraval et al., "Germline transmission of exogenous genes in chickens using helper-free ecotropic avian leukosis virus-based vectors," *Transgenic Research*, 4:369-376 (1995).
SL	62	Uyeda et al., "Cloning and sequencing of hen magnum cDNAs encoding vitelline membrane outer layer protein I (VMO-I)," *Gene*, 144:311-312 (1994).
SL	63	Vick et al., "Transgenic birds from transformed primordial germ cells," *Proc. R. Soc. Lond. B,* 179-183 (1993).
SL	64	Yee et al., "Generation of high-titer pseudotyped retroviral vectors with very broad host range," *Methods in Cell Biology*, 43:99-112 (1994).
SL	65	Zhang et al., "Inducible site-directed recombination in mouse embryonic stem cells," *Nucleic Acids Research*, 24:543-548 (1996).
SL	66	Zolotukhin et al., "A "humanized" green fluorescent protein cDNA adapted for high-level expression in mammalian cells," *Journal of Virology*, 70:4646-4654 (1996).

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Sam Rivkin	5/13/99

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